

## ORACLES - P-3 Orion 08/30/17 Science Report

**Aircraft:** [P-3 Orion - WFF](#) ([See full schedule](#))

**Date:** Wednesday, August 30, 2017

**Mission:** ORACLES

**Mission Location:** Sao Tome

**Mission Summary:**

routine flight along 5E, only reaching 13S. It included a radiation wall between 8 to 9S, and sampling of fresh-ish aerosol at 3km altitude with the idea it be resampled on the 31 August flight.

**Submitted by:** Paquita Zuidema on 09/08/17

**File:**

 [PRF11\\_Y17\\_30Aug\\_FlightScienceReport\\_fulltemplate.pdf](#)

**Related Flight Report:**

### P-3 Orion - WFF 08/30/17

**Flight Number:** Science Flight #11

**Payload Configuration:** ORACLES

**Nav Data Collected:** No

**Total Flight Time:** 8.9 hours

**Archive Data:** [20170830](#) (111 binary files; 23 archive (plain-text) files)

**Submitted by:** Mike Cropper on 09/05/17

**Flight Segments:**

<b>From:</b>	FPST	<b>To:</b>	FPST
<b>Start:</b>	08/30/17 07:55 Z	<b>Finish:</b>	08/30/17 16:47 Z
<b>Flight Time:</b>	8.9 hours		
<b>Log Number:</b>	<a href="#">17P001</a>	<b>PI:</b>	Jens Redemann
<b>Funding Source:</b>	Hal Maring - NASA - SMD - ESD Radiation Science Program		
<b>Purpose of Flight:</b>	Science		

**Flight Hour Summary:**

	<b>17P001</b>
<b>Flight Hours Approved in SOFRS</b>	179.5
<b>Total Used</b>	154.9
<b>Total Remaining</b>	24.6

#### 17P001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">07/15/17</a>	Airworthiness Test Flight	Check	1.2	1.2	178.3	
<a href="#">07/16/17</a>	Project Test Flight #1	Check	4	5.2	174.3	
<a href="#">07/17/17</a>	Project Test Flight #2	Check	3.1	8.3	171.2	
<a href="#">08/01/17</a>	Transit Flight #1	Transit	6.2	14.5	165	
<a href="#">08/07/17</a>	Transit Flight #2	Transit	10.1	24.6	154.9	
<a href="#">08/09/17</a>	Transit Flight #3/Science	Transit	7.8	32.4	147.1	
<a href="#">08/12/17</a>	Science Flight #1	Science	8.5	40.9	138.6	
<a href="#">08/13/17</a>	Science Flight #2	Science	9.1	50	129.5	
<a href="#">08/15/17</a>	Science Flight #3	Science	9.2	59.2	120.3	

<a href="#">08/17/17</a>	Science Flight #4	Science	9.1	68.3	111.2	
<a href="#">08/18/17</a>	Science Flight #5	Science	5.5	73.8	105.7	
<a href="#">08/19/17</a>	Science Flight #6	Science	2.2	76	103.5	0
<a href="#">08/21/17</a>	Science Flight #7	Science	8.3	84.3	95.2	0
<a href="#">08/24/17</a>	Science Flight #8	Science	9.4	93.7	85.8	0
<a href="#">08/26/17</a>	Science Flight #9	Science	9.7	103.4	76.1	0
<a href="#">08/28/17</a>	Science Flight #10	Science	9.5	112.9	66.6	0
<a href="#">08/30/17</a>	Science Flight #11	Science	8.9	121.8	57.7	0
<a href="#">08/31/17</a>	Science Flight #12	Science	8.3	130.1	49.4	0
<a href="#">09/02/17</a>	Transit Flight #1/Science	Transit	8.7	138.8	40.7	
<a href="#">09/03/17</a>	Transit Flight #2	Transit	9.7	148.5	31	
<a href="#">09/04/17</a>	Transit Flight #3	Transit	5.9	154.4	25.1	
<a href="#">09/04/17</a>	Transit Flight #4	Transit	0.5	154.9	24.6	

*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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